

AMENDMENT TO THE CLAIMS

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1. (Currently Amended) An image processing method for converting data dependent on a first illuminating light into data dependent on a second illuminating light, comprising the steps of:

storing conversion data for a light source having high color rendering properties and conversion data for a light source having low color rendering properties;

generating data indicating a proportion of synthesis of the stored conversion data for the light source having high color rendering properties and the light source having low color rendering properties, corresponding to the second illuminating light;

generating a first conversion condition from the stored conversion data according to the data indicating the proportion of synthesis;

generating a second conversion condition based on color temperature information of the second illuminating light; and

converting data dependent on the first illuminating light into data dependent on the second illuminating light using the first conversion condition and the second conversion condition.

2. (Canceled)

3. (Previously Amended) An image processing method according to claim 1, wherein data indicating proportions of plural syntheses are stored in advance according to kinds of illuminating light.

4. (Previously Amended) An image processing method according to claim 3, wherein the kind of the second illuminating light is designated by a user and the data indicating the proportion of synthesis are selected according to the designated kind of the second illuminating light.

5. (Previously Amended) An image processing method according to claim 1, wherein the data indicating the proportion of synthesis are generated according to a manual instruction of a user.

6. (Previously Amended) An image processing method according to claim 1, wherein the data indicating the proportion of synthesis are generated according to an output from a sensor for measuring illuminating light.

7. (Previously Amended) An image processing method according to claim 1, wherein the conversion data are matrix data.

8. (Currently Amended) An image processing apparatus for converting data dependent on a first illuminating light into data dependent on a second illuminating light, comprising:

a data storing unit for storing conversion data for a light source having high color rendering properties and conversion data for a light source having low color rendering properties;

an instructing unit for generating data indicating a proportion of synthesis of the stored conversion data for the light source having high color rendering properties and the light source having low color rendering properties, corresponding to the second illuminating light;

a first calculating unit for generating a first conversion condition from the stored conversion data according to the data indicating the proportion of synthesis;

a second calculating unit for generating a second conversion condition based on color temperature information of the second illuminating light; and

FD a converting unit for converting data dependent on the first illuminating light into data dependent on the second illuminating light using the first conversion condition and the second conversion condition.

9. (Currently Amended) A computer readable recording medium storing a program for converting data dependent on a first illuminating light into data dependent on a second illuminating light, said program comprising the steps of:

storing conversion data for a light source having high color rendering properties and conversion data for a light source having low color rendering properties;

generating data indicating a proportion of synthesis of the stored conversion data for the light source having high color rendering properties and the light source having low color rendering properties, corresponding to the second illuminating light;

generating a first conversion condition from the stored conversion data according to the data indicating the proportion of synthesis;

generating a second conversion condition based on color temperature information of the second illuminating light; and

converting data dependent on the first illuminating light into data dependent on the second illuminating light using the first conversion condition and the second conversion condition.

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10 to 18. (Canceled)

19. (Previously Amended) An image processing method according to Claim 1, further comprising a step of providing a preview image based on the converted data.

20 to 23. (Canceled)